DR. M. SYED ALI

Assistant Professor,
Department of Mathematics,
Thiruvalluvar University
Vellore.

E-Mail: syedgru@gmail.com

PERSONAL DETAILS

Father's Name   : N. E. Muhammad Ali

Date of Birth   : 16 April 1982

Permanent Address : 5/23, Pandiyan Street,

                         Nallagoundan Palayam,

                         Gobichettipalayam,

                         Erode (Dt), Tamilnadu, India, Pin 638452.

EDUCATION

Course	University/Institution	Duration	Subject	% of Marks	Class
Ph.D*	Gandhigram Rural University, Dindigul	2007-2010	Mathematics Specialization : Fuzzy Neural Networks	-	Awarded DEC-2010
M.Phil	Gandhigram Rural University, Dindigul	2006-2007	Mathematics Specialization : Numerical Analysis	84.50	First
PGDCA	Bharathiar University Evening College	2004-2005	Computer Science and Applications	72	First
M.Sc	Bharathiar University Sri Ramakrishna Mission Vidyalaya College	2003-2005	Mathematics	89.5	First with Distinction
B.Sc	Bharathiar University Gobi Atrs College	1999-2002	Mathematics	78.12	First

*Thesis Title   : Stability Analysis of Fuzzy neural networks with

                            time vaying delays.

PROFESSIONAL EXPERIENCE

ASSISTANT PROFESSOR
02 -03-2011 to till now
Thiruvalluvar University, Vellore, Tamilnadu, India.

POST-DOCTORAL FELLOW
22-11- 2010 to 01 -03-2011
UGC – DSK Post – Doctoral Fellowship
Bharathidasan University, Trichy,Tamilnadu, India.

SENIOR RESEARCH FELLOW
22 January 2008 – 31 March 2010
NBHM Project
Gandhigram Rural University, Dindigul,Tamilnadu, India.

RESEARCH FELLOW
7 March 2007- 21 January 2008
Gandhigram Rural University, Dindigul.

AWARDS/PRIZES/RANK

YOUNG SCIENTIST AWARD(2017) by The Academy of Sciences Chennai., Tamilnadu

DST YOUNG SCIENTIST AWARD, by Department of Science And Technology, NewDelhi.

DR. D.S. KOTHARI POST DOCTORAL FELLOWSHIP (PDF) (2010) by University Grants Commission, Govt. of India.

SENIOR RESEARCH FELLOWSHIP (SRF)(2009) by National Board for Higher Mathematics (NBHM),India.

GRU RESEARCH FELLOWSHIP (2009) by Gandhigram Rural Univesity, Tamilnadu, India.

FIRST RANK HOLDER (2004) in M.Sc, Sri Ramakrishna Vidyalaya(SRKV) CAS,Tamilnadu, India.

MATHEMATICIAN RAMANUJAM AWARD(2005) and Endowment Prize by SRKV CAS,

Tamilnadu, India.

JAIGOBAL KARODIA FELLOWSHIP (2003) by Jaigobal karodia Trust, Chennai

MEMBERSHIP IN PROFESSONIAL BODIES:

MEMBER , INERNATIONAL NEURAL NETWORK SOCIETY (INNS)- USA

(01-07-10 to 01- 12-11)

MEMBER , ACADEMIC COUNCIL - THIRUVALLUVAR UNIVERSITY, VELLORE. (2013- 2016)

MEMBER , DOCTORAL COMMITTEE, VIT UNIVERSITY, VELLORE. (2014- 2017)

MEMBER, BOARD OF STUDIES, THIRUVALLUVAR UNIVERSITY, VELLORE.

MEMBER, BOARD OF STUDIES, C. ABDUL HAKEEM COLLEGE, MELVISHARAM. (2014- 2017)

MEMBER, BOARD OF STUDIES, ISLAMIAH COLLEGE, VANIYAMBADI. (2014- 2017)

MEMBER, EDITORIAL BOARD, JOURNAL OF APPLIED MATHEMATICS AND MECHANICS, NOIDA, INDIA.

MEMBER, EDITORIAL BOARD, JOURNAL OF RESEARCH IN APPLIED MATHEMATICS, USA

MEMBER, EDITORIAL BOARD, Computer Simulation in Application, Whioce Publishing Pte. Ltd. from Singapore

MEMBER , PANEL OF PhD ADMISSION, SATHYABAMA UNIVERSITY, CHENNAI. (2018- 2019)

COORDINATOR\OFFICER:

NODAL OFFICER, NSDL – NAD CELL, Thiruvalluvar University, Vellore

DEPUTY COORDINATOR, NAAC Committee, Thiruvalluvar University, Vellore

RESEARCH PROJECTS GRANTED/UNDERTAKEN

1. Title : **"STUDIES ON FILTERING AND CONTROL OF DYNAMICAL SYSTEMS"**

   Project No.   :   25(0274)/17/EMR-II

   Grant   :   Rs. 28, 80,000/-

   Duration   : 2017 - 2020

   Funding Agency :   Council of Scientific and Industrial Research, India.

2. Title : **"STUDIES ON CONTROL OF COMPLEX DYNAMICAL SYSTEMS"**

   Project No.   :   2/48(5)/2016/NBHMR.P)/- R &D II/ 14088

   Grant   :   Rs. 14, 40,000/-

   Duration   : 2016 - 2019

   Funding Agency :   National Board for Higher Mathematics, India.

3. Title : **"STABILITY ANALYSIS AND STABILIZATION OF NEURAL SYSTEMS WITH TIME VARYING DELAYS AND MARKOVIAN JUMPING PARAMETERS"**

   Project No. :   2/48(10)/2011- R &D II/865

   Grant   :   Rs. 10, 68,500/-

   Duration   : 2012-2015

   Funding Agency :   National Board for Higher Mathematics, India,

4. Title : **"STUDIES ON ASYMPTOTIC BEHAVIOR OF DYNAMICAL SYSTEMS WITH STOCHASTIC PERTURBATION"**

   Project No.   :   SR/FTP/ MS-039/2011

   Grant   :   Rs. 10, 80,400/-

   Duration   : 2013-2016

   Funding Agency :   Department of Science and technology, New Delhi

ORIENTATION / REFRESHER COURSES ATTENDED:

COMPLETED ORIENTATION COURSE held from 01-02-12 to 28-02-12 at UGC- Academic staff college, Bharathidasan University, Trichy.

COMPLETED REFERESHER COURSE held from 01-02-15 to 28-02-15 at UGC- Academic staff college, Madurai Kamaraj University, Madurai.

COMPLETED REFERESHER COURSE held from 05-07-17 to 25-07-17 at UGC- Academic staff college, Bharathiar University, Coimbatore.

ADMINISTRATIVE EXPERIENCE:

S. No	Position Held	Nature of Duty	Place	Duration
1	University Representative	University Central Valuation	Thiruvannamalai Govt. Arts college	December 2015
2	University Representative	University Central Valuation	Thiruvannamalai Govt. Arts college	May 2016
3	University Representative	University Central Valuation	Govt. Arts college Viruthachalam	December 2016
4	Additional Chief Superintentent	University Semester Examination	Arakkonam Arts and Science College	May 2017
5	Additional Chief Superintentent	University Semester Examination	Maruthar Kesari Jain Arts and Science College	May 2018

RESEARCH WORKS AND CONSULTANT:

RESEARCH AREAS INTRESTED:

Stability Analysis of Dynamical Systems,

Stability Analysis of Takagi –Sugeno Fuzzy Systems,

Stability Analysis of Dynamic neural networks,

Stability Analysis of Fuzzy neural networks

Asymptotic behaviors of Stochastic Differential Equations.

Studies on Number Theory and Cryptography

Control of Complex Networks, Genetic Regularity Networks

RESEARCH COLLABORATORS:

- P. BalasubramaniamGandhigram Rural University

- Sabri ArikProfessor of Computer Science, Istanbul University

- Jinde CaoEndowed Chair Professor, Member of European Academy of Sciences and Arts, Member of Academia

- Hamid Reza KarimiPolitecnico di Milano

- Peng ShiProfessor, School of Electrical and Electronic Engineering, The University of Adelaide

- Young Hoon JooKunsan National University

- Fathalla A. RihanFull Professor: United Arab Emirates University and Helwan University

- Lakshmanan ShanmugamKRF- Research Center for Wind Energy Systems, Kunsan National University

- Jeong-Hoon Kim

OM Kwon
Professor of Electrical Engineering, Chungbuk Natinonal University
Verified email at chungbuk.ac.kr

Mingang Hua , Hohai University

Muthiah Marudai, Bharathidasan University

Eylem Yucel Demirel, Istanbul University

He Huang

Tasawar Hayat

Reviewer in the journals:

- Mathematical Review
- Applied Mathematics and Computation
- Complexity
- International Journal of Systems Science
- Journal of Franklin Institute
- Journal of machine learning and cybernetics
- Nonlinear dynamics
- Nonlinear Analysis and Hybrid Systems
- Neurocomputing
- Neural Processing Letters
- Neural Computing and Applications
- DCDIS Series A: Mathematical Analysis
- IEEE Transactions on Neural Networks and Learning Systems
- Advances in Difference Equations
- Springer Plus
- Acta Mathematica Scientia

RESEARCH SUPERVISION:

a) No. Ph.D / M. Phil scholars Completed/Submitted thesis under my supervision:

Year	M. Phil	Ph. D
2013	4	-
2014	4	-
2015	4	-
2016	4	1
2017	1	4
2018	4	2

List of Candidates *doing* Ph. D under my supervision

S. No	Name of the candidate	Year of Joining	Full Time / Part Time
1.	M. USHA (NBHM – JRF)	2017	Full Time
2.	R. Agalya (UGC- JRF)	2018	Full Time
3.	L. Palanisamy (CSIR – SRF)	2018	Full Time
4.	Narayananan	2018	Full Time

List of Candidates *completed* Ph. D under my supervision

1. **R. Saravanakumar (2013- 2016) (NBHM- JRF)**

   Title: Robust H_infinity control of Delay Differential Equations.

2. **N. Gunasekaran (2014- 2017) (DST- JRF)**

   Title: Sampled Data stabilization of Neural Networks

3. **M. Esther Rani, (2015-2017)**

   Title: Studies on Stability and Stabilization of Neural Networks with Time varying delays.

4. **K. Meenakshi (2014-2017) (UGC- SRF)**

   Title: Studies on Stability of Discrete -Time Neural Networks.

5. **J. YOGAMBIGAI (2014- 2017)**

   Title Studies on Control of Complex dynamical Networks.

6. **S. SARAVANAN (2015- 2018)**

   Title: Finite time stability of delayed neural networks.

7. **R. Vadivel (2016- 2018)**

   Title: Event – triggered control of delayed neural networks.

List of Candidates completed M.Phil under my supervision

S. No	Name	Title of the Project	Year
8.	M. Girija	Delay – dependent robust stability conditions for uncertain nonlinear delay differential systems with interval time varying delays	2013
9.	N. S. Priya	Robust stability analysis of uncertain complex time delay systems	2013
10.	G. Meenakshi	Robust stability conditions for non linear delay differential systems	2013
11.	Dilsad Begam	Robust stability analysis of systems with nonlinear uncertainties	2013
12.	L. Sivakumar	Delay dependent Stability analysis of neutral systems with nonlinear uncertainties.	2014
13.	S. Vijayakanth	Exponential stability of neutral systems time varying delays	2014
14.	C. Munirathnam	Robust stability analysis of delay systems with distributed delays	2014
15.	K. A. Elumalai	Exponential stability of delay systems with nonlinear uncertainties	2014
16.	Aruna. B	Reciprocally convex approach to $H\infty$ control of neural network with distributed time varying delays.	2015
17.	Nandhini. R.	Passivity Analysis of delay systems with leakage delay and nonlinear perturbations	2015
18.	Sumithra. L. S.	Stability Analysis of delay systems with mixed time varying delays and nonlinear disturbances	2015
19.	Thilagavathi. M.	Robust H-infinity performance analysis of systems with time varying delays	2015
20.	Agalaya. R	Non fragile Synchronization of BAM delayed neural networks with randomly accuring Controller gain fluctuations	2016
21.	Elakkiya. S	Stochastic Asymptotic stability of neutral type Markovian jumping BAM neural networks	2016

22.	Sathyapriya. M	Improved stability analysis for Neutral networks with additive time varying and Markovian jumping parameters	2016
23.	Kulasekaran . R.	Stability analysis of uncertain neutral type systems with discrete and distributed delays	2016
24.	Sudha. B.P.	H infinity filtering of mixed delayed neural networks	2016
25.	Pavithra. S.	Finite time stability of Recurrent neural networks	2017

INTERNATIONAL/NATIONAL CONFERENCES/ WORKSHOPS/EVENTS ORGANIZED

1. ORGANIZING SECRETARY, STATE LEVEL WORKSHOP ON " APPLIED MATHEMATICS AND COMPUTATION" 27 -28 FEB 2017.

MEMBERSHIP IN NATIONAL/INTERNATIONAL CONFERENCES/ WORKSHOPS/EVENTS

1. CO- COORDINATOR, NSS MEGA CAMP, THIRUVALLUVAR UNIVERSITY, VELLORE, 22-03-16 TO 28-03-2016.
2. MEMBER- ORGANIZING COMMITTEE, NATIONAL SEMINAR ON MATLAB AND ITS APPLICATIONS, THIRUVALLUVAR UNIVERSITY, VELLORE.

INVITED TALKS/LECTURES DELIVERED:

1) Delivered Lecture on "Studies On Differential Equations" at C. Abdul Hakeem College, Melvisharam, Vellore, Tamilnadu on 25-9-12.

2) Delivered a Lecture on "**REAL ANALYSIS for CSIR-UGC NET**" at Bharathiar University, Coimbatore, on 02.12.2011 and 03.12.2012.

3) Guest Lecture delivered to BSc students in Thiruvalluvar University Constitution college, Arakkonam on 13.08.12

4) Delivered Lecture on "Matrix Applications" at Saveetha University, Chennai.

5) Delivered lecture on Methods of Solving Differential Equation at Sri Palani Andawar Women's college, Palani, 2015.

6) Delivered Lecture on "Lyapunov Stability" in the National Conference on Mathematics Application held at Islamiah College, Vaniyambady on 10-3-16.

7) Delivered a Lecture in the State Level Workshop on "**Recent trends on differential equations and its applications**" at Sri PSG Arts and Science College for Women and Education-Salem, on 27.02.2015.

8) Delivered a Lecture in the one day workshop on "**Abstract algebra and its applications**" at Mahendra Arts & Science College, Namakkal, on 09.10.2015.

9) Delivered a Special Guest Lecture on "**Linear Algebra and its applications**" at VIT University, Vellore, on   .11.2017

PRESENATATIONS/PARTICIPATIONS IN CONFERENCES/ SEMINAR

1. International Seminar on "Dynamical Systems" held on 16 February 2008 at Gandhigram Rural University Gandhigram, Tamilnadu.

2. National workshop on Soft computing held on 21-27 January 2008 at Gandhigram Rural University Gandhigram, Tamilnadu.

3. National seminar on "Current Scenario in the Applications of Mathematical Sciences" held on 30-31 August 2007 at Vellalar college, Erode, Tamilnadu.

4. National conference on "Mathematics Computing and Modelling" held on 03-04 March 2007 at Gandhigram Rural University Gandhigram, Tamilnadu.

5. State level workshop on "Recent trends in Feed Forward neural networks – Back propagation Algorithms, held on on 22-23 February, 2007 at V.H.N.S.N. College, Viruthungar, Tamilnadu.

6. National workshop on "Coding Theory, Graph Theory and Fractal theory", held on March 21- 25, 2006 at St. Joseph College, Iringalakuda, Kerala.

7. State level conference on "Recent developments in Applied Mathematics" held on 21-22 September 2005 at Jayaraj Annapackiyam College, Periyagulam, Tamilnadu.

8. Symposium on "Nonlinear dynamical Systems" held on at Indian Institute of Science, Bangalore, India.

9. Participated in state level seminar on Establishment of Enterpreneurship development at Chennai on 21-12-12.

10. Participated in International conference on Inventive Computation Technologies(ICICT 2016) organized by RVS Technical college, Coimbatore.

List of publications in SCI Journals with ISI-WOS impact factor

S. No	Name of Authors, Title of the paper, Journals Name, Vol. (no.), Year, pages	No. of Citations	Impact Factor (2015)
1.	J. Yogambigaia, **M Syed Ali,** Quanxin Zhu and Jingwei Cai, Exponential Lagrange stability for Markovian jump uncertain neural networks with leakage delay and mixed time-varying delays via impulsive control" Mathematical Problems in Engineering **Accepted (in press)(2018)**		
2.	**M. Syed Ali,** S. Saravanan, Finite-time non-fragile dissipative stabilization of delayed neural networks, Neural Processing Letters, Accepted (in press)(2018)		
3.	**M. Syed Ali,** N. Gunasekaran, Sampled-data control for state estimation of neural networks with additive time-varying delays, Acta MAthematica Scientia Accepted (in press)(2018)		
4.	**M. Syed Ali,** N. Gunasekaran, Sampled-data state estimation of Markovian jump static neural networks with interval time-varying delays, Computational and Applied Mathematics , Accepted (in press)(2018)		0.961
5.	**M. Syed Ali,** R.Vadivel , Decentralized event triggered exponential stability for uncertain delayed genetic regulatory networks with Markov jump parameters and distributed delays Neural Processing Letters https://doi.org/10.1007/s11063-017-9695-2		1.747
6.	**M. Syed Ali,** J.Yogambigai, Synchronization criterion of complex dynamical networks with both leakage delay and coupling delay on time scales, Neural Processing Letters DOI: 10.1007/s11063-018-9821-9		1.747
7.	S. Saravanan, M. Syed Ali **Improved results on finite-time stability analysis of neural networks with time-varying delays,** **ASME** *J. Dyn. Sys., Meas., Control.* 2018; 140(10):101003-101003-7.		1.388
8.	P.Baskar, S. Padmanaban, **M.Syed Ali,** Novel delay-dependent stability condition for mixed delayed stochastic neural networkswith leakage delay signals, International journal of Computer Mathematics, doi.10.1080/00207160.2018.143958		0.976

9.	R. Vadivel , **M.Syed Ali,** Design of robust reliable control for T-S fuzzy Markovian jumping delayed neutral type neural networks with probabilistic actuator faults and leakage delays: An event-triggered communication scheme ISA Transactions, doi:10.1016/j.isatra.2018.01.030	3.394
10.	**M. Syed Ali,** K. Meenakshi, N. Gunasekaran, Kadarkarai Murugan, Dissipativity analysis of discrete-time Markovian jumping neural networks with time-varying delays, Journal of Difference Equation and Applications, https://doi.org/10.1080/10236198.2018.1433171	0.762
11.	**M. Syed Ali,** J.Yogambigai, O.M. Kwon Finite-time robust passive control for a class of switched reaction-diffusion stochastic complex dynamical networks with coupling delays and impulsive control, International Journal of systems science 49(2018) 718-735	1.924
12.	**M. Syed Ali**, Quanxin Zhu, S. Pavithra, N. Gunasekaran, A study on $(Q, S, R) - \gamma -$ dissipative synchronization of coupled reaction-diffusion neural networks with time-varying delays, International Journal of systems science 49 (2018) 755-765	1.924
13.	Neyir Ozcan, **M. Syed Ali**, J. Yogambigai, Quanxin Zhu and Sabri Arik, Robust synchronization of uncertain Markovian jump complex dynamical networks with time-varying delays and reaction-diffusion terms via sampled-data control, Journal of Franklin Institute, 355, (3), 2018, Pages 1192-1216	3.139
14.	P.Baskar, S. Padmanaban, **M.Syed Ali,** finite-time H∞ control problem of Markovian jumping neural networks of neutral type with distributed time varying delays, Acta Mathematica Scientia 2018,38B(2):1–19	0.650
15.	**M. Syed Ali**, R. Saravanan, Finite-time stability for memristor based switched neural networks with time-varying delays- via average dwell time approach Neurocomputing, https://doi.org/10.1016/j.neucom.2017.10.003	2.392
16.	**M. Syed Ali**, R. Vadivel, O..M. Kwon, Decentralized event-triggered stability analysis of neutral - type BAM neural networks with Markovian jump parameters and mixed time varying delays *International Journal of Control, Automation and Systems* **16(X) (2018) 1-11** **http://dx.doi.org/10.1007/s12555-017-0089-z**	1.687
17.	R. Saravanakumar, **M. Syed Ali,** He Huang, Jinde Cao, Y. H. Joo Robust H∞ state-feedback control for nonlinear uncertain systems with mixed time-varying delay International Jouranl of Control, Automation & Systems 2018 **16 (1), 225-233**	1.687

18.	R. Saravanakumar; **M. Syed Ali,** Jinde Cao, Grienggrai Rajchakit State estimation of memristor-based stochastic neural networks with mixed time-varying delays IEEE Transaction on Neural Networks Learning Systems **Revision submitted**		4.291
19.	**M. Syed Ali,** K. Meenakshi, N. Gunasekaran, M. Usha , Finite-time passivity of discrete-time T-S fuzzy neural networks with time-varying delays, Iranian journal of Fuzzy systems, **(2017) DOI: 10.22111/ijfs.2017.3443**		0.534
20.	R. Saravanakumar, G. Rajchakit, **M. Syed Ali**, Y. H. Joo , Exponential Dissipativity Criteria for Generalized BAM Neural Networks with Variable Delays, Neural Computing and Applications, **(2017): DOI: 10.1007/s00521-017-3224-0**		2.505
21.	**M. Syed Ali,** S. Saravanan, Q. Zhu**,** Non-fragile finite-time H∞ state estimation of neural networks with distributed time-varying delay Journal of the Franklin Institute, https://doi.org/10.1016/j.jfranklin.2017.09.002		3.139
22.	R. Saravanakumar, G. Rajchakit, **M. Syed Ali**, Y. H. Joo, Extended dissipativity of generalised neural networks including time delays, International Journal of Systems Science · Volume 48, 2017 - Issue 11 Pages 2311-2320		1.924
23.	R. Saravanakumar, G. Rajchakit, **M. Syed Ali**, Zhengrong Xiang Y. H. Joo, Robust extended dissipativity criteria for discrete-time uncertain neural networks with time-varying delays, **Neural Computing and Applications** 2017 , DOI: 10.1007/s00521-017-2974-z		2.505
24.	**M. Syed Ali,** J.Yogambigai, Passivity-based synchronization of stochastic switched complex dynamical networks with additive time-varying delays via impulsive control, Neurocomputing, https://doi.org/10.1016/j.neucom.2017.07.053		2.392
25.	**M. Syed Ali**, R. Vadivel, Decentralized event triggered exponential stability for uncertain delayed genetic regulatory networks with Markov jump parameters and distributed delays",Neural Processing Letters, DOI: 10.1007/s11063-017-9695-2		1.747
26.	**M. Syed Ali,** S. Saravanan, Q. Zhu, Finite-time stability of neutral type neural networks with random time-varying delays, International j. of. Systems science, http://dx.doi.org/10.1080/00207721.2017.1367434.		1.924
27.	**M. Syed Ali,** R. Vadivel, R. Saravanakumar, Event-triggered state estimation for Markovian jumping impulsive neural networks with interval time varying delays, International Journal of Control,(2017) 1-21. http://dx.doi.org/10.1080/00207179.2017.1350884		2.208
28.	**M. Syed Ali,** N. Gunasekaran, State Estimation of static neural networks with interval time varying delays and sampled data control, Computational and Applied Mathematics (2017)1-27 DOI: 10.1007/s40314-017-0470-9		0.961

29.	**M. Syed Ali**, N. Gunasekaran, B. Aruna, Design of sampled-data control for multiple time delayed generalized neural networks based on delay-partitioning approach, International journal of systems science, 48(13) (2017) 2794-2810		1.924
30.	**M. Syed Ali**, S. Saravanan, Finite-time stability for memristor based uncertain neural networks with time-varying delays- via average dwell time approach Chinese Journal of Physics , DOI: 10.1016/j.cjph.2017.08.021		0.514
31.	**M. Syed Ali**, K. Meenakshi and N. Gunasekaran , Finitetime H_∞ boundedness of Markovian jumping discrete-time neural network with time varying delay, International journal of Control Automation and Systems, 16(2018) 1 – 8 http://dx.doi.org/10.1007/s12555-016-0712-4		1.219
32.	**M. Syed Ali**, K. Meenakshi and N. Gunasekaran, Finitetime H_∞ boundedness of discrete-time neural network norm bounded disturbances with time varying delay, International journal of Control Automation and Systems, 15(6) (2017) 2681-2689	-	1.219
33.	**M. Syed Ali**, S. Saravanan, M. Esther Rani, S. Elakkia, Jinde Cao, Ahmed Alsaedi, Tasawar Hayat, Asymptotic stability of Cohen-Grossberg BAM neutral type neural networks with distributed time varying delays, Neural Processing Letters, **DOI 10.1007/s11063-017-9622-6**	-	1.747
34.	R. Saravanakumar, G. Rajchakit, **M. Syed Ali**, Y. H. Joo, Exponential Dissipativity Criteria for Generalized BAM Neural Networks with Variable Delays, International Journal of Systems science, (2017) 2311- 2320	-	1.924
35.	Emel Arselan, **M. Syed Ali**, R. Vadivel, S. Arik, Event-triggered H-infinity filtering for delayed neural networks via sampled-data, **Neural Networks,** 91,2017,11-21	-	3.216
36.	**Syed Ali, M.**, N.Gunsekaran, M. Esther Rani, Robust Stability of Hopfield Delayed Neural Networks via an Augmented L-K Functional, Neurocomputing , **234(2017) 198–204.**	-	2.392
37.	**M. Syed Ali**, J.Yogambigai, Finite-time robust stochastic synchronization of uncertain Markovian complex dynamical networks with mixed time-varying delays and reaction-diffusion terms via impulsive control, Journal of Franklin insistute Volume 354, Issue 5, March 2017, Pages 2415–2436	-	2.327
38.	**M. Syed Ali**, J.Yogambigai, Exponential stability of semi-Markovian switching complex dynamical networks with mixed time varying delays and impulse control, Neural Processing Letters, August 2017, Volume 46, Issue 1, pp 113–133.	-	1.747
39.	Emel Arslan, **M. Syed Ali**, S.Saravanan, Finite-time stability of stochastic Cohen-Grossberg neural networks with Markovian jumping parameters and distributed time-varying delays, Neural Processing Letters, August 2017, Volume 46, Issue 1, pp 71–81	-	1.747

40.	**Syed Ali, M.,** N.Gunsekaran, O.M. Kwon**,** Design of Passivity and Passification for Delayed Neural Networks with Markovian Jump Parameters via Non-Uniform Sampled-Data Control, Neural Computing Applications, DOI: 10.1007/s00521-016-2671-3	-	1.492
41.	**M. Syed Ali,** N. Gunasekaran, R. Saravanakumar, Design of Passivity and Passification for Delayed Neural Networks with Markovian Jump Parameters via Non-Uniform Sampled-Data Control, Neural Computing Applications, DOI: 10.1007/s00521-016-2682-0	-	1.492
42.	**M. Syed Ali,** J.Yogambigai and Jinde Cao, , Synchronization of master-slave Markovian switching complex dynamical networks with time-varying delays in nonlinear function via sliding mode control, Acta Mathematica Scientia, Volume 37, Issue 2, March 2017, Pages 368–384.	2-	0.650
43.	Sibel senan, **M. Syed Ali**, R.Vadivel and Sabri Arik **,** Decentralized event-triggered synchronization of uncertain Markovian jumping neutral - type neural networks with mixed delays, Neural Networks **,** 86, 2017,32-41. http://dx.doi.org/10.1016/j.neunet.2016.10.003	-	3.216
44.	R. Saravanakumar**, M. Syed Ali,** and Jinde Cao, State estimation of memristor-based stochastic neural networks with mixed time-varying delays, *IEEE Transactions on Neural Networks and Learning Systems, Accepted (in press)*	-	4.291
45.	M. Syed Ali, , R. Saravanakumar, C. K. Ahn, H.R. Karimi, Stochastic $H\infty$ Filtering for Neural Networks with Leakage Delay and Mixed Time-Varying Delays, Information Sciences,388-389(2017) 118-134	2	3.364
46.	**M. Syed Ali,** N. Gunasekaran, C. K. Ahn, Sampled-Data stabilization for fuzzy Genetic Regulatory Networks with Leakage Delays**,** IEEE/ACM Transactions on Computational Biology and Bioinformatics, **15,** 1,**(2018) 271-285.**	1	1.198
47.	**Syed Ali, M.,** M. Esther Rani, Passivity analysis of stochastic neural networks with leakage delay and Markovian jumping parameters *Neurocomputing,* Volume 218, 19 December 2016, Pages 139–145.	2	2.392
48.	**Syed Ali, M.,** S. Saravanan, Finite-time *L*2-gain analysis for switched neural networks with time-varying delay**,** Neural Computing and Applications 2018, Volume 29, Issue 4, pp 975–984.	1	1.492
49.	**M. Syed Ali**, S. Saravanan, J. Cao, Finite-time boundedness, L2-gain analysis and control of Markovian jumps switched neural networks with additive time-varying delays, *Nonlinear Analysis Hybrid Systems,* 23 (2017) 27-43.	1	3.192
50.	M. Syed Ali, J. Yogambigai, Synchronization of complex dynamical networks with hybrid coupling delays on time scales by handling multitude Kronecker product terms, Applied Mathematics and Computation, 291(2016) 244-258.	1	1.600
51.	R. Saravanakumar, **M. Syed Ali,** H.R. Karimi, Robust H1 control for a class of uncertain stochastic Markovian jump systems (SMJSs) with interval and distributed time-varying delays, *International Journal of Systems Science,* 48(4) 2017, 1-1	1	1.924

52.	R. Saravanakumar, **M. Syed Ali,** Robust H_1 control for uncertain Markovian jump systems with mixed delays, *Chineese Physics B*, **Vol. 25, No. 7 (2016) 070201**	3	1.392
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96	*M. Syed Ali*	Passivity Analysis of Uncertain Stochastic Neural Networks with Discrete and Distributed Time-Varying Delays, *International Journal of Robotics and Automation 1(1) (2017) 29-43.*		
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100	V. Umesha*a*, R. Vadivel*b*, M. Syed Ali	New exponential stability criterion for a class of Markovian jumping recurrent neural networks with time varying delays: An event-triggered approach International Journal of Pure and Applied Mathematics Volume 119 No. 11 (2018) 263-271		

LIST OF PUBLICATIONS IN CONFERENCE PROCEEDINGS

1.	N. Gunasekaran, **M. Syed Ali**	Sampled-data State Estimation for Delayed Markovian Jump Neural Networks based on Passive Theory, International Conference on Inventive Computation Technologies, (ICICT 2016) ***Publisher: IEEE***, ISBN: 978-1-5090-1286-2, OI:10.1109/INVENTIVE.2016.7830228, (2016).
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